

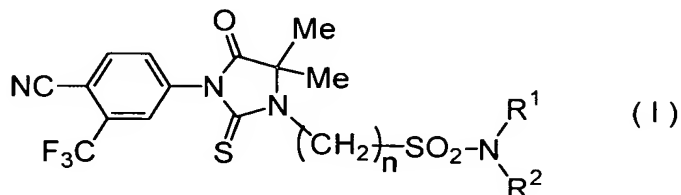
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A compound represented by formula (I):

[Formula 1]



wherein n is an integer selected from 1 to 20, and R¹ and R², which may be the same or different, each represent a hydrogen atom or a linear or branched C₁-C₆ alkyl group, or a salt, a prodrug or a solvate thereof.

2. (original) A compound according to claim 1 or a salt, a prodrug or a solvate thereof, wherein n is an integer selected from 1 to 10.

3. (currently amended) A compound according to claim 1 or ~~or 2~~ or a salt, a prodrug or a solvate thereof, wherein R¹ and R² are each a hydrogen atom.

4. (currently amended) A compound according to ~~any one~~
~~of claims claim 1 to 3~~ or a salt, a prodrug or a solvate
thereof, wherein at least one of R¹ and R² is a methyl group.

5. (currently amended) A compound according to ~~any one~~
~~of claims claim 1 to 4~~, which is selected from the group
consisting of:

4-[3'-(3''-aminosulfonylpropyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(4''-aminosulfonylbutyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(6''-aminosulfonylhexyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(7''-aminosulfonylheptyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(8''-aminosulfonyloctyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(9''-aminosulfonylnonyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(5''-aminosulfonylpentyl)-4',4'-dimethyl-5'-oxo-2'-
thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile;

4-[3'-(4''-N,N-dimethylaminosulfonylbutyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

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4-[3'-(3''-N,N-dimethylaminosulfonylpropyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(5''-N,N-dimethylaminosulfonylpentyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(6''-N,N-dimethylaminosulfonylhexyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(7''-N,N-dimethylaminosulfonylheptyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(8''-N,N-dimethylaminosulfonyloctyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(9''-N,N-dimethylaminosulfonylnonyl)-4',4'-
dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(3''-N-methylaminosulfonylpropyl)-4',4'-dimethyl-
5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(4''-N-methylaminosulfonylbutyl)-4',4'-dimethyl-5'-
oxo-2'-thioxo-1'-imidazolidinyl]-2-
trifluoromethylbenzonitrile;

4-[3'-(5''-N-methylaminosulfonylpentyl)-4',4'-dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile; and

4-[3'-(2''-aminosulfonylethyl)-4',4'-dimethyl-5'-oxo-2'-thioxo-1'-imidazolidinyl]-2-trifluoromethylbenzonitrile or a salt, a prodrug or a solvate thereof.

6. (currently amended) A drug which comprises the compound according to ~~any one of claims~~ claim 1 to 5 or a salt, a prodrug or a solvate thereof as an active ingredient.

7. (currently amended) A pharmaceutical composition which comprises the compound according to ~~any one of claims~~ claim 1 to 5 or a salt, a prodrug or a solvate thereof as an active ingredient.

8. (currently amended) An anti-androgen agent which comprises the compound according to ~~any one of claims~~ claim 1 to 5 or a salt, a prodrug or a solvate thereof as an active ingredient.

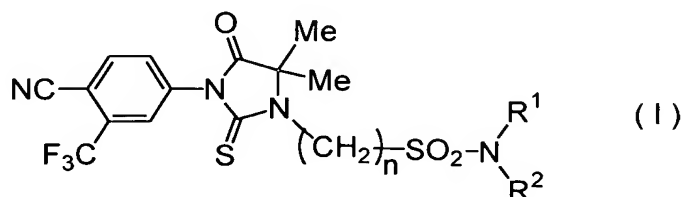
9. (currently amended) A prophylactic or therapeutic agent for a disease selected from prostate cancer, benign prostatic hypertrophy, male pattern baldness, sexual

precociousness, common acne, seborrhea and hypertrichosis,
which comprises the compound according to ~~any one of claims~~
claim 1 to 5 or a salt, a prodrug or a solvate thereof as an
active ingredient.

10. (currently amended) The use of the compound
according to ~~any one of claims~~ claim 1 to 5 or a salt, a
prodrug or a solvate thereof in manufacturing a medicament
used as an androgen receptor antagonist.

11. (currently amended) A process for preparing a
compound represented by formula (I):

[Formula 2]

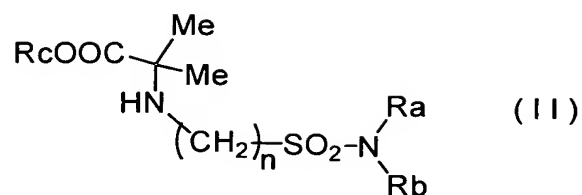


wherein n , R^1 and R^2 are as defined in claim 1 n is an integer
selected from 1 to 20, and R^1 and R^2 , which may be the same or
different, each represent a hydrogen atom or a linear or
branched C_1 - C_6 alkyl group,

which comprises the steps of:

reacting a compound represented by formula (II):

[Formula 3]



wherein

n is an integer selected from 1 to 20;

Ra and Rb, which may be the same or different, are each selected from the group consisting of a linear or branched C₁-C₆ alkyl group substituted with one or more W¹, a linear or branched C₁-C₆ alkylcarbonyl group which may be substituted with one or more W¹, an arylcarbonyl group which may be substituted with one or more W², a linear or branched C₁-C₆ alkoxy carbonyl group which may be substituted with one or more W¹, an aryloxy carbonyl group which may be substituted with one or more W², a linear or branched C₁-C₆ alkylaminocarbonyl group which may be substituted with one or more W¹, a linear or branched C₁-C₆ dialkylaminocarbonyl group which may be substituted with one or more W¹, a linear or branched C₁-C₆ alkylsulfonyl group which may be substituted with one or more W¹, an arylsulfonyl group which may be substituted with one or more W², and R¹ and R²; or

Ra and Rb may be joined together to form a group =CH-W³;

W¹ is a linear or branched C₁-C₆ alkoxy group, a linear or branched C₁-C₆ alkylthio group, a linear or branched C₁-C₆ alkylsulfinyl group, a linear or branched C₁-C₆ alkylsulfonyl

group, an aryl group which may be substituted with one or more W^2 , an aryloxy group which may be substituted with one or more W^2 , or a C_1 - C_3 aralkyloxy group which may be substituted with one or more W^2 ;

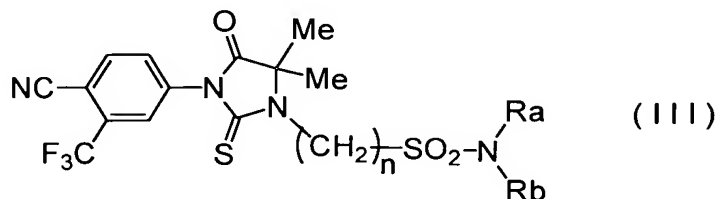
W^2 is a linear or branched C_1 - C_6 alkyl group, a linear or branched C_1 - C_6 alkoxy group, a linear or branched C_1 - C_6 haloalkyl group, a halogen atom, a cyano group, or a nitro group;

W^3 is a linear or branched C_1 - C_6 alkyl group, a linear or branched C_1 - C_6 alkoxy group, a linear or branched C_1 - C_6 alkylamino group, or a linear or branched C_1 - C_6 dialkylamino group;

R^1 and R^2 are as defined in claim 1; and

R_c is a linear or branched C_1 - C_6 alkyl group with 4-cyano-3-trifluoromethylphenyl isothiocyanate to obtain a compound represented by formula (III):

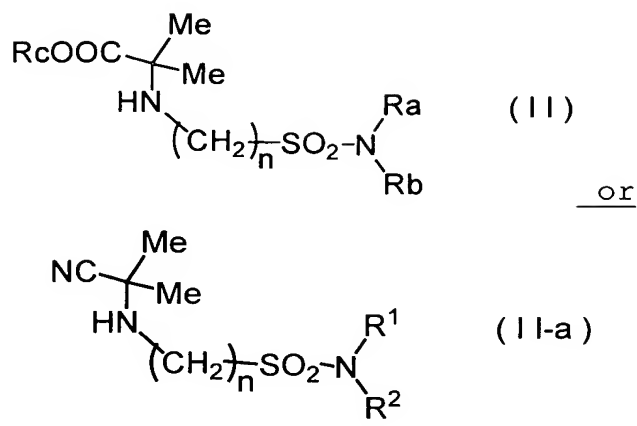
[Formula 4]



wherein n , Ra and Rb are as defined above; and

a deprotection in cases where at least one of the groups Ra and Rb is other than R^1 and R^2 .

12. (currently amended) A compound represented by
formula (II) or (II-a):
[Formula 5]



~~wherein n , Ra, Rb and Rc are as defined in claim 11, n~~
is an integer selected from 1 to 20;

Ra and Rb, which may be the same or different, are each
selected from the group consisting of a linear or branched C_1 -
 C_6 alkyl group substituted with one or more W^1 , a linear or
branched C_1 - C_6 alkylcarbonyl group which may be substituted
with one or more W^1 , an arylcarbonyl group which may be
substituted with one or more W^2 , a linear or branched C_1 - C_6
alkoxycarbonyl group which may be substituted with one or more
 W^1 , an aryloxy carbonyl group which may be substituted with one
or more W^2 , a linear or branched C_1 - C_6 alkylaminocarbonyl group

which may be substituted with one or more W^1 , a linear or branched C_1-C_6 dialkylaminocarbonyl group which may be substituted with one or more W^1 , a linear or branched C_1-C_6 alkylsulfonyl group which may be substituted with one or more W^1 , an arylsulfonyl group which may be substituted with one or more W^2 , and R^1 and R^2 ; or

R_a and R_b may be joined together to form a group $=CH-W^3$;

W^1 is a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 alkylthio group, a linear or branched C_1-C_6 alkylsulfinyl group, a linear or branched C_1-C_6 alkylsulfonyl group, an aryl group which may be substituted with one or more W^2 , an aryloxy group which may be substituted with one or more W^2 , or a C_1-C_3 aralkyloxy group which may be substituted with one or more W^2 ;

W^2 is a linear or branched C_1-C_6 alkyl group, a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 haloalkyl group, a halogen atom, a cyano group, or a nitro group;

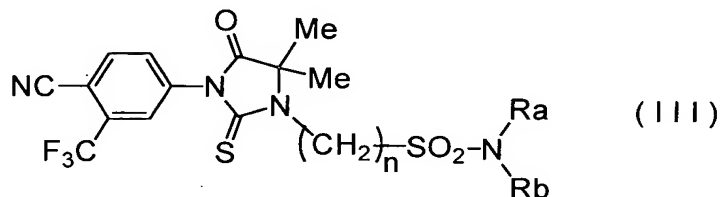
W^3 is a linear or branched C_1-C_6 alkyl group, a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 alkylamino group, or a linear or branched C_1-C_6 dialkylamino group;

R_c is a linear or branched C_1-C_6 alkyl group; and

R¹ and R², which may be the same or different, each represent a hydrogen atom or a linear or branched C₁-C₆ alkyl group.

13. (original) A compound represented by formula (III):

[Formula 6]



wherein ~~n, Ra and Rb are as defined in claim 11~~ n is an integer selected from 1 to 20;

Ra and Rb, which may be the same or different, are each selected from the group consisting of a linear or branched C₁-C₆ alkyl group substituted with one or more W¹, a linear or branched C₁-C₆ alkylcarbonyl group which may be substituted with one or more W¹, an arylcarbonyl group which may be substituted with one or more W², a linear or branched C₁-C₆ alkoxy carbonyl group which may be substituted with one or more W¹, an aryloxy carbonyl group which may be substituted with one or more W², a linear or branched C₁-C₆ alkylaminocarbonyl group which may be substituted with one or more W¹, a linear or branched C₁-C₆ dialkylaminocarbonyl group which may be

substituted with one or more W^1 , a linear or branched C_1-C_6 alkylsulfonyl group which may be substituted with one or more W^1 , an arylsulfonyl group which may be substituted with one or more W^2 , and R^1 and R^2 ; or

R_a and R_b may be joined together to form a group $=CH-W^3$;

W^1 is a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 alkylthio group, a linear or branched C_1-C_6 alkylsulfinyl group, a linear or branched C_1-C_6 alkylsulfonyl group, an aryl group which may be substituted with one or more W^2 , an aryloxy group which may be substituted with one or more W^2 , or a C_1-C_3 aralkyloxy group which may be substituted with one or more W^2 ;

W^2 is a linear or branched C_1-C_6 alkyl group, a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 haloalkyl group, a halogen atom, a cyano group, or a nitro group; and

W^3 is a linear or branched C_1-C_6 alkyl group, a linear or branched C_1-C_6 alkoxy group, a linear or branched C_1-C_6 alkylamino group, or a linear or branched C_1-C_6 dialkylamino group.